

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-03 16:12:58  
Date of Next Testing: 2027-07-02 16:12:58  
Product Name: **1-Butyl-1-methylpyrrolidinium Chloride (BMIMCl)**  
CAS Number: 479500-35-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: F2327771  
SKU #: **B121231**  
Version: **0**  
Analysis #: **217128**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.33 %
Purity(Titration by AgNO <sub>3</sub> )	99-100.5 (%)	100.19 %
Appearance (B121231)	White to brown powder,crystals and/or chunks	White to brown powder,crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager